RECORD

1925

8913-9865

Collector: Philip A. Munz
8913 - 9865

Philip A. Munz
Pomona College
Claremont, Calif

Botanical records.

In case I lose these and they are found, I should very greatly appreciate information concerning them.

H8V
75

March 18-27, 1925
trip with F. W. Peirson
to San Joaquin Valley
& coast.

89 13. Plagiobothrys —

14. Phacelia —

15 Viola purpurea Kell.

16 Astragalus —
fls rose - lavender

17 " —
fls lavender

18 " —
fls lemon yellow

19 Ceanothus cuneatus Nutt

20 Ceanothus oliganthus Nutt

21 Ribes malvaceum Sm

22 Lithophragma cymbalaria T&G

23 Nemophila —

24 Gilia californica Benth

Stony Creek, No slope of Tehachapi Mts, 3000 ft. 1.
grassy slopes
"
dry slopes
" rocky "
" " "
" " "
Mint Canyon
Newhall Grade
" "
" "
" 1
" 1

8925 Lupinus

26. Ranunculus californicus var. Ludovicianus (Green)

27 Lomatium —

28 Viola chrysantha Hook

29 Nemophila ~~Menziesii~~ H. A

30 Gilia —
fls bluish-lavender

31 Phacelia fremontii Torr
fls blue

32 Oenothera Palmeri Wats
fls yellow

33 Mentzelia —

34 Streptanthus —

8935 Gilia —

36 Athysanus pusillus (Hook) Green

Newhall Grade

Tehachapi Pass, summit
deep moist soil
with 8926

1 mi No of Tehachapi,
grassy slopes
with 8928

So slope, Tehachapi Grade
edge of desert, Joshua tree belt

"

"

"

3-19.

No slope, Tehachapi, heavy grassy soil 2000 ft

8937 Plantago —

38 Androsace acuta Greene

39 Athysanus unilateralis (Jones) Jeps

40 Nemophila insignis
fls pale sky-blue

41 Amsinckia

42 Sanicula nevadensis Wats

43 Lomatium —

44 Scorzonella sylvatica? Benth

45 Amsinckia

46 Orthocarpus

47 Agoseris

48. Astragalus —

March 19.

No. slope Tehachapi, heavy grassy soil
2000'

8949 Astragalus didymocarpus H.

50 Poa —

51 Lupinus —

52 Brodiaea —

53. Achyrachaena mollis Schauer

54 Allium —

55 Phacelia —

56 Lupinus —
fls bright blue, with white spot on ba

57 ~~Uropappus~~

58 Plectritis ciliosa Jeps,

59 Gilia —

60 Salvia columbariae Benth

March 19

No. Slope Tehachapi,

A

1500 ft.

dry slope

dry slopes

" "

banner

damper slope

"

8961 Oenothera dentata Cav

62. Gilia achilleaefolia Benth

63 Lupinus —

64 Malacothrix Coulteri Gray

65 Montia —

66. ~~Cryptantha~~ astragalus didymocarpus H&A

67 Cryptantha

68 Plagiobothrys

69 Lupinus —

70 Thelypodium —

71 Eschscholtzia —

72 Platystemon ~~...~~ calif Benth

8973 Lepidium —

74 Monolopia major DC

75 Calandrinia —

76. Ipomeria —

77 Layia glandulosa (Hook) H & A

78 ~~Hemizonia~~ Ellisia membranacea Benth

weak spreading annual

79 Malacothrix californica DC
var. glabrata Eat.

80 Phacelia

81 ~~A~~ Madia ~~gonia~~

82 Malvastrum Parryi Wats.
lavender

83 Lupinus —
2 ft high, woody base
fls rich purplish blue

Caliente Creek 1100

low sandy soil in R.R. cut
with 8978.

dry slopes

dry slopes

8984 Baeria —

85 Pectocarya

86 Stylocline

87 Mentzelia affinis ? Greene

88 Cryptantha

89 Oenothera dentata Cav

90 Lotus —

91 Salvia carduacea Benth

92 Streptanthus Coulteri (Wats)

93 Chaenactis glabriuscula DC

94 Eriogonum —

95 Oenothera white alyssoides T&G

3-19.

gentle slopes, Caliente Creek

dry desert slopes, Caliente Creek

var. lanosa Hall

8996 Caulanthus

97 Hymenoclea Salsola T.&G.

98 Papaver heterophyllum (Benth)

99 Lycium Cooperi Gray

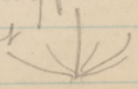
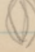
9000 Abronia —

1 Lupinus —

2 Astragalus lentiginosus var.

3. Oenothera dentata Cav
fls yellow, 2 red-brown dots, base of each petal!

4. Amsinckia

5. Oenothera —
annual, fls white, turning pink in age, becoming caulescent

old dry stems  wind-twisted.

Caliente Creek

Greene moist grassy slope

1/2 way Bakersfield to Tejon Pass
sand-dunes

March 20
1/2 way Tejon Pass to Bakersfield
sandy plains

Coulteri (Benth.)

covering great areas of sand
very fragrant (pleasant)

9006 Allocarya
succulent, prostrate —

7 Lepidium

8 Agrostis 2

9 Allocarya
erect, not succulent

10 Trifolium gracilentum T.g

11 Orthocarpus —
pale pink

12 Lupinus —
dark blue.

13 Orthocarpus
slender, dark red stems, fls yellowish,

14 Nemophila Menziesii H & A
var

15 Astragalus lentiginosus Coulter
prostrate fls dark red

16 Astragalus —
erect, woody 2½ ft fls yel

March 20

Heavy adobe soil, 7 mi E of Delano Kern
dried pool

near "

"

"

~~near~~ small depressions in plain
"

~~small~~ " "

" " "

" " "

sh, with dark red upper lip.
open plain, 1 mi N of Richgrove
Tulare Co

18 mi N of Bakersfield

" "

el low-white

9017 Malvastrum Parryi Greene

18 Lupinus —

19 Plagiobothrys
prostrate

20 Pectocarya
2

21 Tropidocarpum gracile Hook

22 Lupinus —

23 Baeria —

24 Nemophila —

25 Gilia —

26 Erodium botrys Bertol

27 Gilia —

28 Orthocarpus

March 20

18 mi N of Bakersfield

Tulare Co

9029. Trifolium —

30 Collinsia —

31 a Orthocarpus
b "

32 Trifolium tridentatum Lindl

33 Cryptantha —

34 Thelypodium —

35 Baeria —

36 Poa —

37. Allocarya —

38 Monolopia bahiaefolia Benth

39 Comp

40 Linanthus —

3-20

near Terra Bella

near Ducor

9041 Collinsia —
darker

42 Orthocarpus
lower lip yellow, throat dark red
tube pale maroon

43 Orthocarpus
like 42, but small

44 Pityrogramma Δ var pallida

45 Allium —

46 Thysanocarpus —

47 Arenaria —

48 Borage —

49 Linanthus —

50 ? —

51 Pterostegia drymarioides

3-20

near Ducor

Lindsay 3 mi SE

Weatherby

9052 Pityrogramma A (Kaulf.)

53 Trifolium tridentatum Lindl

54 Caulanthus Coulteri Wats

55 ~~Lei~~ Leithophragma affinis Gray

56 Mimulus Dudleyi
violet-like in appearance

57 Pellaea mucronata Eaton

58 Ellisia Aglaophylla

59 Selaginella

---

60 Lepidium dictyotum Gray

61 "

62 Thelypodium

March 20
Lewis Creek, near Lindsay.

9052

rock-crevices

March 21.
alkaline flat, Lewis Creek

" "

field "

9063. Psilocarphus

64 Tropidocarpum —

65. Arenaria —

66 Ranunculus hebecarpus H&A

67 Arenaria

68 Montia —

69 Sagina —

70 Plagiobothrys —

71 Microseris Douglasii Gray

72 Gnaphalium palustre Nutt

√73. Tillaea

74. Plectritis ciliosa Jeps

3-21

Lewis Creek, Lindsay Tulare Co.
dry mud flat

"

"

9075 Plantago —

76 Lotus —

77 ~~Compos~~ Filago calif Nutt

78 Liverwort

79 Selaginella Hanseni Hieron

80 Lotus —

81 ~~Madia~~ Layia gaillardioides H&A.

82 Scrophularia —

83 Gilia —

84 Oenothera —

85 ~~Compos~~ Blennosperma californicum Tig

86 Sedum —

3-21

Lewis Creek

mud flat

"

"

"

rocky slope

dry fields

9087 Arenaria Douglasii Engl
87a Amsinckia
88 Eschscholzia caespitosa Benth
89 Sanicula bipinnatifida Dougl
90 Sanicula tuberosa Torr
91 Phacelia —
92 Lupinus —
fls deep blue
93 Baeria debilis ? Greene
94 Hemizonia fasciculata T&G
95 Stylocline gnaphalioides Nutt
96 Cryptantha
√ 97 Brodiaea

Lewis Creek

var hypecoides Gray

9098 Linanthus —

99 Orthocarpus

9100 Sanicula tuberosa Torr.

1 Meconella —

2 Dodecatheon —

3 Saxifraga —

4 Mimulus ~~longiflorus (Nutt)~~ aurantiacus Curtis

5 Mimulus —

6 Amsinckia parviflora Hel.

7 Alchemilla arvensis

8 Achyrachaena mollis Schauer

9 Lupinus ~

Lewis Creek 3-21

800 ft
damp grassy slope —

9110 Calandrinia —

11 Ribes —

12 Lomatium —

13 Pentachaeta?

14 Microseris —

15 Mimulus —

16 Veronica peregrina L

17 Pilularia americana A. Br

18 Elatine

19. Tillaea

20 Allocarya

21 Layia —

3-21

dry grassy slope

dry mud flat

3-22

dessicating mud-flat, 4 mi W of Springville

"

grassy field "

9122 Trifolium

23 Delphinium —

24 Lilaea subulata H&B

25 Isoetes

26 Lupinus
deep blue; shrub erect, 3-6 ft

27 Bowlesia —

28. Cercis

29 Brodiaea ixioides (Ait. f)

30 Fritillaria —

31 Trifolium

32 Eriophyllum

33 Lotus

3-22. 4 mi W of Springville

mud-flat

grassy field

mud flat

mud flat

Tule River, 2 mi above Springville
sandy bottoms

under oaks

along stream

heavy soil 5 mi SE of Lindsay

" "

Tule River, grassy slope 3000 ft

" dry " "

" " "

9134 Lupinus

35 Floerkea —

36 Coreopsis —

37 Mimulus

38 "

39 " —

40 Brodiaea ixioides (Ait. f.) Wats
cream color

41 Iris —

42 Rhamnus —

43 Gilia —

44 Orthocarpus

45 Ranunculus —

3-22

Tule River, grassy slopes 3000 ft

" moist seep "

" dry slope "

" disturbed " " "

" " " " "

" wet seep "

" dry slope "

" moist ravine "

" dry slopes "

" " " 2000

" 4 mi below Springville

" open fields

" along low place

9146 Trifolium —

47 Lepidium —

48 Linanthus —

49 Phacelia —
blue

50 Oenothera —

51 " —

52 Pectocarya setosa

53 Phacelia —
lavender

54 Eschscholzia —

55 Trifolium —

56 Lotus —

57 Mentzelia —

with 9145

6 mi W of Lemoore, Kings Co
alkali flat
dry slopes, 7 mi SW of Coalinga
Fresno Co

with 9148

4

9158 Lupinus —
white, tinged pink

59 Astragalus —

✓ 60 Gilia

✓ 61 Astragalus

62 Linanthus —
yellow

63 Castilleja —
woody base

. 64 Castilleja foliolosa Benth
woody base

✓ 65 Gilia
blue

✓ 66 Allium

✓ 67 Gilia .

✓ 68 Nemophila

/ 69 Solanum
woody

3-23 Fresno Co

Hills 15 mi SW of Coalinga
dry slopes

grassy "

disturbed "

dry "

" ridge

" slope

" "

high grassy ridge, under trees

rocky dry ridge

partly shaded slopes

loose soil, ~~damp~~ slope

dry slope

9170 ✓ Saxifraga

71 Fritillaria biflora Lindl

✓ 72 Erodium

✓ 73 Plantago

74 Athysanus pusillus (Hook)

✓ 75 Androsace

✓ 76 Collinsia

✓ 77 Montia

✓ 78 Baeria

✓ 79 Ranunculus

✓ 80 Ribes

✓ 81 Ceanothus

damp shaded slopes

heavy soil, grassy slope

grassy slopes, partly disturbed

dry slopes

grassy "

" "

partly shaded slopes

do " or dry slopes

" "

grassy slopes

" "

" "

9182 Lupinus —

83. Linanthus —

✓ 84 Chaenactis

85 Oenothera —
pink fls

86. Coreopsis Bigelovii (Gray) Hall

87 Solanum umbelliferum? Esch

88 Thysanocarpus curvipes Hook

89 Phacelia ciliata Benth

90 Acanthomintha lanceolata Curr

91 Phacelia —
corolla white

92 Streptanthus —

93 Zygadenus Fremontii Wats

dry slope N of Parkfield, Monterey Co, 3000 ft

"

"

" disintegrated lava

"

"

dry ridge 3500 ft

heavy soil, grassy slope, N of Parkfield
3200 ft Fresno Co

about large rock, dry soil "

with 9190

heavy soil, grassy slope

" "

9197 Viola pedunculata

95 Sisyrinchium bellum Wats

96 Tellima —

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97 Osmaronia cerasiformis (T.&G.)

98 Ribes speciosum Pursh

99 Adiantum ~~Jordani~~ emarginatum Hook

9200 Cercocarpus betuloides Nutt

1 Ceanothus oliganthus Nutt.

2 Orthocarpus
lavender

3 "
yellow-whitish

4 Salvia spathacea

grassy slopes, SW Parkfield, Monterey Co
2500 ft

with 9194

shade "

3-25-1925

along deep ravines, Morro Creek, 1000 ft

shaded slopes " 1000 ft

with 9197 }

"

"

grassy ridge Morro Creek 1500 ft

" "

shaded chaparral

9205 Trifolium —

6 Convolvulus —

7 Lomatium —

8 Sanicula bipinnata H. & A.

9 Athysanus pusillus (Hook) Greene

10 Plagiobothrys

11 " —

12 Lathyrus —

13 Fritillaria ~~biflora Lindl~~

14 Trifolium —

15 Dentaria —

16 Tellima —

Santa Lucia Mts
3-25

Morro Creek, damp grassy slope 1500 ft

" , rocky ridge 1500

" grassy slope 1500

" " "

" damp grassy flat

" shaded open chaparral 1200

with 9211

Shaded slopes, Atascadero Ck, 1500 ft

4

9217 Ribes —

18. Alchemilla arvensis (L.) Scop

19. Cynoglossum grande Dougl

20 Trifolium —

21 Collinsia —

22 Dodecatheon —
very fragrant

23 Fritillaria
dark brown

24 Floerkea Douglasii Baill
very fragrant

✓ 25 Lupinus

✓ 26 Stachys

✓ 27. Lupinus

28. Astragalus —

Santa Lucia Mts 3-24-1925

Atascadero Creek, shaded slopes 1500 ft

" " "

" " "

" moist slope "

" " "

" Grassy " "

" " " "

Atascadero, dried flat

dry slopes, 15 mi NE of Paso Robles

Morro Creek, dry slopes, 500 ft

" " 500 ft

" " 500 ft

Q 29 Grindelia —

30 Ceanothus cuneatus (Hook) Nutt

31 Lupinus —

32 " —

✓ 33 Sidalcea

✓ 34 Lomatium

35 Orthocarpus

✓ 36 Layia

✓ 37 Amsinckia

✓ 38 Salix

✓ 39. Cotula

✓ 40 Oenothera fls all-yellow
annual or biennial, not woody

Morro Creek, roadside 300 ft

" chaparral 500 ft

Morro

Morro

grassy slopes, 3 mi W of San Luis Obispo

" " 7 " " "

" " "

" " " "

Morro, sandy upper beach

" " creek mouth

" low place, " "

" beach

9241 Croton ✓

✓ 42 Ribes
long, slender, pendant branches

✓ 43. Oenothera

✓ 44 Carex

✓ 45. Achillea
3 ft tall, leaves peculiar

✓ 46 Potentilla

47 Lonicera
corolla yellow within, &
yellow without tinged with scarlet +
bracts deep red with green tinge
shrub slender, half climbing,
4-6-8 ft high.

✓ 48 Erysimum

✓ 49. Corethrogyne

✓ 50 Lupinus
shrub 5 ft tall, spreading

Morro, sea-bluff

" , in willows near mouth of creek

" , sandy field above ocean

" beach

" "

" damp "

" , mo. of creek, among willows

+ with red hairs

Morro beach

9751 Astragalus ✓

✓ 52 Trillium
2 stems always from 1
rootstock

✓ 53 Fritillaria
yellowish green with purple blotching

✓ 54 Tellima

✓ 55 Castilleja

56 Symphoricarpos

✓ 57 Lathyrus

✓ 58 Sanicula

✓ 59 Mitella

✓ 60 Collinsia
lavender

3-25

Morro, Beach

Pismo Creek 3 mi from Pismo
shaded woods

4 4

4 4

11 open field

4 4

a 2

9261 ✓ Composite

✓ 62 Alopecurus

✓ 63 Plantago

✓ 64 Allocarya

✓ 65 Castilleja

✓ 66 Erigeron

✓ 67 Sanicula

✓ 68 Horkelia

✓ 69 Oenothera
prostrate

✓ 70 Gnaphalium

✓ 71 Carex

✓ 72 Arabis

5 mi from Buellton on Lompoc road
dried mud-flat

5 mi from Lompoc,
dry sandy slope — chaparral

9273 ✓ Gnaphalium

✓ 74 "

✓ 75 Chorizanthe

✓ 76 Lotus
almost prostrate

✓ 77 ~~Vicia~~ Arctostaphylos

78 Pinus —

✓ 79 Cercocarpus

✓ 80 Vicia

✓ 81 Collinsia
lavender

✓ 82 Phacelia

82a Mimulus

✓ 83 Lupinus

✓ 84 Sphaerostegma

Head of Purissima Canyon

~~with 9272~~ dry ridge

~~Purissima Canyon dry~~

Purissima

Santa Maria

sandy field

9285 ✓ Amsinckia

86 Orthocarpus
yellow lower lip

✓ 87. Ceanothus

88 Eriogonum —

89. Artemisia —

90 Baccharis —
quite herbaceous

91 Phacelia —
white fls

92 Epipactis

93 Astragalus —

94 Malacothrix saxatilis T. v G.

95 Verbena —

96 Stachys —

Santa Maria

Near Buellton

20 Mi NW of Santa Barbara
bluffs at coast
"

base of bluffs

"

bluffs, fresh-water seep

"

"

seep

bluffs

9297 Convolvulus —

98 Encelia —

99 Symphoricarpos mollis

9300 Collinsia —
lavender-pink

1 Gilia californica

2 Polypodium —

3 Holodiscus —

✓ 4 Salvia

5 Stellaria —

6 Potentilla —

7 Verbesina —
shrub 3 ft

8 Lathyrus
lavender, etc

20 mi W of Santa Barbara
bluffs

4

So. side Gaviota Pass
moist slope

4

high 4

moist 4

9309 Ranunculus hebecarpus H. A

10 Pityrogramma —

11 Adiantum —

12 Delphinium —
roots come off very easily

13 Saxifraga californica Greene

14 Galium nuttallii

15 Solanum —

16 Sanicula Menziesii H. A

17 Scutellaria tuberosa

18 Tellima —

√ 19 Reseda

√ 20 Phacelia

3 - 26

So side Gaviota Pass
moist slope

high slope

3-27.

Roadside weed, low ground,
10 mi So of Ventura
beach, 7 mi N of "

✓
9321. Sphaerostigma
yellow
✓ 22 Ceanothus
✓ 23 Oenothera
✓ 24 Grass
✓ 25 Silene
✓ 26 Ellisia
✓ 27. Equisetum
✓ 28. Ribes
✓ 29 Lotus
✓ 30 Lathyrus
lavender
✓ 31 Phacelia
✓ 32 Cryptantha

3-27

Beach, 7 mi No of Ventura

Mt. Drive, Santa Barbara, along gullies

" " , chaparral burn

" " , ~~Shaded~~ slope

" " "

" " "

" " stream bank

"

" shaded slope

"

" " burn in chaparral

" " "

9333 Muhlenbergia

4 Salvia mellifera Jeps.

✓ 5 Lupinus

✓ 6 Ceanothus

✓ 7 Lotus

✓ 8 Lonicera

✓ 9 Ceanothus

✓ 40 Scrophularia

✓ 41 Ribes

Mountain Drive
3-27

Mt. Drive, Santa Barbara, burn in chaparral

" " chaparral

" " , ~~R~~roadside

" " along gully

with 9335

" " open slopes

"

"

"

9342 Salix

3 "

4 "

5 Olneya Tesota Gray

6 Hofmeisteria pluriseta Gray

7 Peucephyllum Schottii Gray

8 Hymenoclea Salsola T & G

9 Larrea divaricata Cav.

9350 Hoffmanseggia microphylla Torr

51. Oenothera cardiophylla Torr.
fls clear yellow, becoming reddish with age
biennial

52 Cryptantha

53 Petalonyx linearis Greene

Santa Susanna, L. A. Co., Feb. 22
along creek

" "
"

Wash at mouth of Painted Canyon, Mecca,
Riverside Co March 7
Munz & Keck.
rocks, Painted canyon

" "

wash "

" "

about rocks "

" "

" "

" "

9354 Castilleja californica Abrams

55 " foliolosa H & A

56 V. tricella

57 Coreopsis Douglasii

58 Osmorhiza brachypoda

59 Potentilla glandulosa Lindl

among brush

~~old wash~~ 3 mi N of Claremont 1500 ft. 3-16-1925

Munz & Hill

loose slope, Cobal Canyon, 1700 3-16-1925

dry canyon bottom "

" "

shade "

canyon bottom "

9360 Venegasia carpesioides DC.

9361 Ceanothus
Spreading Shrub 10-15 ft. high

9362 Fraxinus dipetala H + G.

9363 Pellaea andromedaefolia

9364 Sanicula menziesii

9365 Salvia leucophylla Greene
Corolla pinkish lavendar tube white within with band of
a dense greenish white tomentum.

9366 Eriodictyon crassifolium Benth
Straggly spreading shrub 4-6 ft. high

9367 Mimulus longiflorus

9368 Stachys
Flowers mostly rose lavendar with lower lip spotted

9369 Astragalus Antisellii Gray

9370 Salix —

9371 Chrysopsis
2 ft high - from woody base

April 18, 1925

Sespe Creek 1500' - Shade in canyon

" " " - Half dry slopes.

" " " - North facing slope in side canyon

" " " North facing slope in side canyon

" " " North facing slope in side canyon

" " " Dry rocky slopes.

f dense white hair and tube whitish with-
but. calyx and bracts purplish green - set with
anthers brownish lavendar.

Sespe Creek 1500 - Dry, gentle slopes

Flowers lavendar

Sespe Creek " - about rocks + partly shaded slopes

" " 1500 - Shade in canyon bottom

" " " - Partial clearings on dry slope

" " 1500 - Along stream

shaded canyon

9372 Trichostema lanatum
Straggly shrub about 6 ft. high
9373 Convolvulus

9374 Solanum

9375 Salvia mellifera Dpo
flowers bluish lavender
Loose spreading shrubs 4-6 ft high
9376 Solidago —

77 Lupinus truncatus

78 " —
woody base
79 Lupinus latifolius Agardh

80 Astragalus —

81 Ceanothus —

82 Chaenactis glabriuscula DC

83 Sphaerostigma —

April 18

Sespe Creek - 1500 - Single shrub in canyon bottom in shade

〃 〃 - 〃 Partial shade in canyon bottom

〃 〃 〃 Partial shade in canyon bottom

〃 〃 〃 Dry canyon bottom

〃 〃 〃 〃 〃 〃

〃 〃 〃 〃 〃 〃

〃 〃 〃 〃 〃 〃

〃 〃 〃 Wet 〃 〃

〃 〃 〃 dry 〃 〃

〃 〃 〃 〃 〃 〃

Pocoima Canyon Wash 2 mi E of San Fernando — sandy, stony soil

with 9382

9384 Chorizanthe — prostrate

85 Antirrhinum Coulterianum Benth

86 Mimulus longiflorus var. rutilus Gray

87. ~~Composite~~ Gilia densifolia

88 Convolvulus Soldanella L

89 Atriplex —

90 Malacothrix Clevelandi Gray

91 Lotus —

92 Cryptantha hispidissima Greene

93 Oenothera — prostrate

94 Lepidium —

95 Amsinckia prostrate

april 19.

Pacoima Canyon Wash   sandy soil
2 mi E from San Fernando

with 84

Santa Susanna Pass, dry rocky slope

with 9384

Hueneme Beach ; sandy back
Ventura Co   beach

"   "

"

"

"

"

"

"

9396 Psoralea macrostachya DC
fls purple; pls 10 ft high
97 Lavatera assurgentiflora Kell

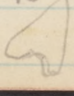
98 Muhlenbergia microsperma (DC) Kunth

99 Cryptanthe

9400 Eriophyllum confertiflorum

1 Gnaphalium —

2 Silene laciniata Cav.
2a " multinervia Wats
3 Antirrhinum glandulosum Lindl.
at least biennial, very viscid-gl.
corolla rose-pink, upper lip, upper
tube lower lip, palate cream
throat whitish with rose lines

4 Dudleya
fls orange-red
stems reddish
" leaves  not glaucous

april 19

Sespe Creek, springy place 1000

Hueneme Beach, dunes

Sespe Creek, dry slope 1000

" "

"

"

"

"

"

"

9405 Malvastrum Davidsonii Robins.

6 Cuscuta —
on Eriogonum fascic

7. Gnaphalium decurrens Ives
var. californicum Gray

8. Phacelia grandiflora (Benth) Gray
flo bluish-lavender with darker
reticulation & lighter center

9. Gilia achilleaefolia Benth

10. Collinsia bicolor Benth

11 Castilleja foliolosa H & A

12 Oenothera —

13 Meconella oregana var. denticulata Jeps

14 ~~Microseris~~ Microseris Uropappus

15 Plectritis ciliosa Jeps

Pacoima

Pacoima Wash, sandy & stony soil
2 miles SE of San Fernando 4-19
Mouth of San Gabriel Canyon April 23

San Gabriel Canyon, sandy bottom, 1000 ft

" berm 1000 ft

" " "

" " shaded slope "

" berm "

" " "

" " shaded slope "

9416 Mentzelia micrantha T & G

7 Habenaria —

18 Scutellaria ~~tuberosa~~ Benth.

19 Lupinus —

20 Layia (Hook) H & A

21 Lupinus —
woody base, fl 3 ft

22 Lupinus —
woody base fl. 3 ft.

23 ~~Castilleja~~ Lepidium —

24 ~~Dudleya~~
a Castilleja

25 Cryptantha

26 Baccharis viminea DC.

27 Oenothera micrantha Hornem

San Gabriel Canyon, burn		1000
"	" , shaded slope	1000
"	" "	"
"	sandy wash	"
"	"	"
"	"	"
"	"	"
"	"	"
"	"	"
"	dry slope	"
"	sandy wash	"
"	wet "	1300
"	burn	1600

9428 Calyptridium monandrum Nutt

9 Lotus strigosus ~~Benth~~ (Nutt.) Greene

30 Gilia multicaulis Benth

31 Antirrhinum strictum (H & A) Gray

32 Collinsia Parryi Gray

33 Galium angustifolium Nutt

34 Stellaria nitens L

35 ~~Githopsis~~ Nemacladus ramosus

36 Githopsis specularioides Nutt

37 Lomatium lucidum (Nutt)

38 Sanicula tuberosa Torr

39 Godetia epilobioides Wats

April 23

San Gabriel Canyon, barn 1600 ft

Nutt

Jeps

B & A

9440 Adenostoma fasciculatum

41 Arctostaphylos —

42 Dicentra chrysantha (H & A)

43 Lathyrus laetiflorus Greene

44 Phacelia
fls pink-white

45 Ceanothus crassifolius Torrey

46 Lotus salsuginosus Greene

47 Cryptantha

48 Erigeron

49 Antirrhinum Coulterianum
Benth

50 Pterostegia

51 Thelypodium

april 23

burn, San Gabriel Canyon 1600 ft

Walp

9452 Arenaria

53 Malacothrix

54 Rafinesquia

55 Emmenanthe

56 Eschscholtzia

57 Malacothrix calif

58 Lupinus sparsiflorus

59 Phacelia minor Whitlavia (Gray)

60 Gilia

61 Oenothera

62 Pedicularis densiflora Benth

62a Silene

Trip to Laguna Hansen with
Peirson & Fleming

9463 Nemacladus ramosissimus Nutt

64 Linaria can. var texana
cleistogamous

65 Gilia —

66 Linanthus —

67 Oenothera —
erect

68 Oenothera —
erect

69 Orthocarpus —

70 Malvastrum
slender, open shrub 6-8 ft

71 Phacelia brachyloba Gray

72 Phacelia Douglasii var cryptantha Brand

73 Nemacladus longiflorus Gray

May 12 - 1925

dry gravelly slope in chaparral, Potrero Grade

" "

" "

" "

" "

" "

" "

dry slopes in chaparral, Dulzura Grade

gravelly wash, 9 mi SE of Tecate, Mex

9474 Castilleja —

75 Gilia —

76 Gilia —

77 Oenothera contorta T. & G.

78 Arabis —

79 Pectocarya

80 Eriogonum —

81 Chorizanthe —

82 Gilia —

83 Chaenactis glabriuscula DC
var. tenuifolia Hall

84 Pectocarya setosa Gray

85 Baeria aristata

May 12

sandy wash, 9 mi SE of Tecate 2500 ft

dry sandy slope, 8 mi SE of Tecate

9486 Eriodictyon

87. Trichostema

88 Antirrhinum Coulterianum
lavender var Orcuttianum

89. Nicotiana attenuata Torr

90 Ceanothus perplexans Trel

91 Lomatium

92 Oenothera

93 Thelypodium

94 Lepidium

95 Cryptantha

96. Lotus

96 a Godetia

97 Mimulus diffusus Grant

May 12

dry sandy slope, 8 mi SE of Tecate, Mex

" "

dry slope, chaparral, Potrero grade 2000 ft
San Diego Co

"

rock-crevices

dry burn, 9 mi SE of Tecate, Mex

9498 Phacelia distans Benth

99 Lupinus —

9500 Linanthus Lemmonii (Gray) Greene

1 Sidalcea

2 Lupinus —

3 Emmenanthe penduliflora Benth

4 Chorizanthe —

5. Chenopodium —

6. Malvastrum densiflorum viscidum
3-4 ft, second growth on burn

7 Antirrhinum Coult. Benth
whitish

8 Chaenactis artemisiaefolia Gray

9. ~~Linanthus~~ prostrata —

May 12

shade of oaks, 17 mi SE of Tecate, Mex

edge of grassy valley, 16 mi "

" "

" "

chaparral burn, 13 mi

9510 Eriophyllum — ?.

11 Mimulus Fremontii Gray

12. Phacelia Parryi Torr

13 Lupinus —

14 Hulsea heterochroma Gray

perennial

15. Gilia —

16. Oenothera micrantha Hornem

pale yellow

17 Perilocarphus

18. Nemacladus ramosissimus Nutt

19. Lotus —

20 Malacothrix Clevelandii Gray

21 Plagiobothrys

5-12

chaparral burn, 13 mi SE of Tecate, Mex

9522. Arenaria

23. ~~[illegible]~~ Thelypodium

24 Ceanothus cuneatus Nutt

25. Oenothera —

26 Paronychia monandra Brandg

27 Thalictrum polycarpum Wats

28 Layia glandulosa H & A

29. Arctostaphylos pungens HBK
10 ft high, whole shrub fragrant

30. Collinsia concolor Greene

31 Quercus Dunnii Kell

32 Halsea —

2 ft high, much branched
at base

May 12

chaparral burn, 13 mi SE of Tecate, Mex

edge of grassy valley 17 mi

alkaline flat in " 18 "

45 mi SE of Tecate on Mexicali road
among Artemisia tridentata in flat

dry gravel slope

9533 Lupinus concinnus Agardh.

34 Berberis
single shrubs, erect, 6-8 ft

35 Erysimum asperum DC

36 Mimulus

37 Phlox austromontana Coville

38 Gilia tenuifolia (Gray)

39 Lotus rigidus (Benth) Greene
erect

40 ~~Cheilanthes~~ Lotus

41 Cheilanthes Clevelandii Eat ~~Covillei Maxon~~

42 Penstemon Clevelandii var connatus M. J

43 Malacothrix californica DC

44 Penstemon linarioides Gray var. calif M. J

May 13

dry slope, 40 mi SE of Tecate

base of dry slopes, 50 mi. 4500 ft

shade of shrubs

50 mi, dry stony slope

sandy wash

dry stony slope

9545 Penstemon centranthifolius Benth

46 Lonicera

47. Rhus trilobata Nutt

48. Oenothera contorta T & G

49. Lupinus

50 Oenothera

51 Lotus argophyllus var decora Johnston
prostrate

52 Psoralea californica Wats

53 Euphorbia

54 Lupinus excubitus Jones
var. austromontanus Smith

55 Astragalus nigrescens

56 Lupinus

May 13

common in flat valley, 50 mi SE of Tecate

dry slopes

9557 Plagiobothrys

58 Oenothera micrantha Hornem

59 " —

60 Arabis —

61 Solanum Xanti Gray

62 Phacelia Douglasii var. cryptantha

63 Castilleja —

64 Lathyrus

65 Hymenopappus lugens Greene

66 Phoradendron
on Juniperus calif

67 Ephedra nevadensis Wats

68 Erigeron
2 plants in rock-crevice

about rocks, 50 mi SE of Tecate, Mex

9569 Eriophyllum confertiflorum

70 Ephedra californica Wats

70a Penstemon ternatus

71 Pellaea mucronata Eaton

72 Thysanocarpus
pods not drooping

73. Pinus quadrifolia Parry

74. Cryptantha

75 Cryptantha

76 Lemmonia californica

77 Allium —

78 Carex

79 Juniperus californica Carr

80 Pinus cembroides var Parryana Voss

May 13

~~4~~~~5~~00 ft

dry rocky slope, 50 mi SE of Tecate

sandy flat with Artemisia tridentata

"

9581 Garrya —
erect shrub 6-8 ft. high.

82 Salvia Vaseyi

83 ~~Olneya~~ tesota Gray
treelike 15-20 ft high

84 Trixis californica Kell.

85 Anisocoma acaulis Gray

86. Sphaeralcea rosacea M & J

87. ~~Streptanthus~~ campestris Wats

88 Antirrhinum antirrhinoides
var. microphyllus (Gray)

89. Brickellia frutescens Gray

90 Salvia apiana compacta

91 Arabis

92 Nama —

May 14

dry slopes,	50 mi SE of Tecate, Mex,		4500 ft
" ,	38 mi W of Mexicali		2500 ft
" ,	37 "	"	500 ft
"	38	"	3000
sandy wash	49	"	4500
common dry rocky slope	38 mi		3500
about rocks	39 "		4000
"		"	"

9593 Thamnosma

94 Salvia columbariae

95. Delphinium —

96. Mentzelia albicaulis Dougl

97. Eulobus calif Nutt

98 Microseris linearifolia (DC)

99 Lomatium —

9600 Androsace acuta Greene

1 Trifolium gracilentum

2 Pentachaeta aurea Nutt

3 Chorizanthe polygonoides T & G

4 Trifolium —

4a Astragalus didymocarpus H & A

5-14

about rocks, 40 mi W of Mexicali, 4000

Schultz

dry stony slope, 45 mi SE of Tecate 4500

9605 ~~Compositae~~ Microseris

6 Cryptantha

7. Melica

8. Gilia —

9. Monardella

10 Cryptantha

11 Zygadenus venenosus Wats

12 Cereus Mungii
close-set clumps 40-50 in cluster
6-10 in high.

13 Astragalus —

14 Hulsea heterochroma Gray

15 Malacothrix glabrata (Eaton) Gray

5-14

dry stony slope, 45 mi SE of Tecate
4500

" rocky " 47 " "

May 15
common dry slopes, 10 mi W of Jacumba
4000

" "

sandy wash 8 "

9616 Oenothera micrantha —

17 Antirrhinum Coulterianum Benth
whitish

18 Cryptantha

19 Gilia —

20 Phacelia

21 Gilia Schottii Torr.

22 Senecio —

23 Chorizanthe Thurberi Wats

24 " fimbriata Nutt var. laciniata Je

25 Sphaeralcea rosacea M. J.
fls lavender; pl suffrutes cent 3

26 ~~[illegible]~~ Velaea Parishii C. R. 2–3 ft

27 Dyssodia porophylloides Gray

sandy wash, 8 mi W of Jacumba 4000

Head of Mt Springs Grade 3500

"

"

9628 Encelia actoni Elmer

29 Rhus ovata Wats

30 Cryptantha circumscissa (Torr)

31 Pectocarya setosa Gray

32 Castilleja foliolosa H & A

33 Astragalus
decumbent. fls purplish

34 Salvia
compact

35 "
not so compact; fls lavender

36 " Vaseyi
frequent on dry slopes

37. Petalonyx —
frequent in washes

38 Oenothera —
prostrate

39 Eriophyllum —
leaf

May 15

Mt. Springs Grade 3500 ft
about rocks

"

"

"

"

"

above Mt Springs 3000
fls pure white

Foot " grade, sand 500

4 mi SE of Buckmans Springs, 3000
dry gravelly burn

9640 Calyptridium monandrum Nutt
common

41. Chaenactis artemisiaefolia Gray
frequent

42. Collinsia concolor Greene
occasional

43 Antirrhinum Coulterianum Benth
whitish near var. Orcuttianum

44. Gilia achillaefolia Benth

45 Layia glandulosa (Hook) H & A

46 Phacelia minor var Whitlavia

47 Gilia —

48. Plagiobothrys —

49. Mimulus Fremontii Gray
common; purplish red

50 Nemophila —
prostrate

51 Phacelia hispida Gray

May 15

dry gravelly burn, 4 mi SE of Buckman Springs
3006

McBr

9652 Oenothera —

erect

53 Lotus strigosus (Nutt.)
~~prostrate~~

54 Nemacladus longiflorus Gray

55 " pinnatifidus (Gree.

56 " ramosissimus ✓

57 Lathyrus Alfeldi White
frequent; fls purplish red

58 Viola chrysantha Hook.

59 Limnanthes Douglasii R.Br
locally common in low places

60 Microsteris gracilis Hook

61 Mimulus diffusus Grant
local in great patches ~~on~~ semi

62 Thysanocarpus
common under pines

63 Gilia
bright blue

May 15

disintegrated granite

Nutt

Laguna Camp, dry slopes under pines 5000

near " " , moist "

" " " basin "

" " under pines

moist spots

oaks

9664 Phacelia
fls lavender
65 Vicia americana var. truncata Brew
fls blue, occasionally white
66 Viola purpurea Kell
67 Athysanus pusillus (Hook) Greene
common
68 Plagiobothrys
69 Plectritis ciliosa Jeps
common
70 Stellaria nitens L.
71 Linanthus —
common
72 ~~Sagina~~ Sagina occidentalis Wats
common
73 Collinsia —
~~common~~, not clammy
74 Oenothera —
occasional
75 Hemizonella minima Gray
common

May 15

Laguna Camp, dry slopes under pines and oaks 5000

9676 Juncus

77 Oenothera —
erect

78 Arabis
frequent about rocks

79. Poa

80 Heuchera rubescens Torr. var.
frequent about rocks near

81 Castilleja oblongifolia Gray
brilliant scarlet
very glandular

82 ✓ Cheilanthes Covillei Maxon
frequent about rocks

83 Selaginella asprella Max
local & rare about rocks near

84. Arctostaphylos drupacea McBr

85 Ceanothus perplexans Trel

86. Garrya

87 " —

May 16.

trail up ~~M~~ Monument Peak 5300

Monument Peak, rocky slope 5600

summit

summit

Br

9688 Lupinus —
dark blue, locally common

89. Delphinium —

90 Trifolium tridentatum Lindl

91 Layia platyglossa (F & M) Gray
common in large patches / dry

92 Lupinus —
bright blue

93. Agoseris retrorsa Greene
frequent

94 Gilia —
blue or white

95. Nemophila —
prostrate pale blue

96. Trifolium albopurpureum T & G
local under pines & oaks

97 Caucalis microcarpa H & A
occasional

98 Montia /
common in various forms of leaf

99 Eriophyllum Wallacei Gray ~~[illegible]~~?
(Bahia rubella Gray)

May 16

Laguna Camp, gentle slopes 5000
under pines

Edge of meadow

under pines

condition
rubellum
dry ridge

9700 Collinsia concolor Greene

1 Thysanocarpus —

2 Ceanothus Palmeri Trel

3 Lupinus concinnus
purplish

4 Platystemon californicus Benth

5 Ranunculus calif var. ludovicianus

6 Tellima

7. Amelanchier alnifolia Nutt
shrubs common 15 ft tall

8. Ribes Roezlii
fls reddish dark; shrubs spreading

9. Cystopteris fragilis (L.) Bernh

10 Ceanothus divaricatus Nutt

11 Stenotus linearifolius T. & G.
common in chaparral

May 16

dry rocky ridge

"

dry sandy flat

"

moist flat

May 17

Head of Vallecito Canyon, 4800 ft

"

3-4 ft tall

about rocks shaded slope

dry " 4700

"

9712 Clarkia —
frequent in openings in chaparral
13 Penstemon Clevelandii Gray var
color quite rose-lavender; corolla throat more inflated than in typical Clevelandi
14 Pityrogramma △ ~~var. Mar~~
common
15 Lonicera subspicata Johnstoni Keck
common; in shrubs & trees; 8-10 ft high
on open 4-5 ft;
16 ~~Fremontia~~ californica Torr
spreading shrubs 15 ft high; frequent
17 Eriogonum fascicul var polif T.&G
great masses; foliage very gray
18 Quercus
1 plant, see 1924 collection
19 Mimulus —
fls rose-lavender
20 Nemacladus longiflorus Gray

21 " ramosissimus Nutt

22 Erigeron foliosus Nutt
occasional fls dark lav
23 Vitis girdiana Munson
great masses over rocks & trees

May 17

Vallecitos Canyon, dry slope 4000

connatus M. J.
occasional, base of dry " 3700

about rocks

in canyon bottom
& on slopes

canyon bottom

with 9709

dry gravelly slopes

canyon bottom

under

9724 Calochortus concolor Purdy
bright clear yellow,

25 Mentzelia —

26, Astragalus Vaseyi Wats
frequent, fls purplish; pl. quite decum

27 Lotus Douglasii Greene
var. nevadensis (Wats)

28 Malacothrix Clevelandii Gray

29 Castilleja foliolosa H & A

30 ~~Velaea~~ arguta (Nutt) C & R

31 Clematis pauciflora Nutt

32 Phacelia hispida Gray

33 Cryptantha

34. Rhamnus californica Esch.
shrubs 8-10 ft tall

35 Pentstemon ~~occasional~~ frequent
6-8 ~~ft. high~~ ~~same~~ ~~color as~~ Clevelandi

May 17

Vallecito Canyon, dry stony slope 4000

bent

about rocks

var. tomentella B. & W.

at ~~base~~ dry slopes 3200

~~typicus, but more inflated throat~~

9736 Ceanothus

37 Salvia apiana near var. compacta
very common, mostly compact type

38 Condalia Parryi

39 Lotus
erect, wiry; fls cream-colord

40 Gilia

41 Orthocarpus purpurascens

42 Trifolium albopurpureum

43 Trifolium microdon
pink

44 Epilobium

45 Trifolium

46 " variegatum

47 " tridentatum

May 17

Vallecito Canyon, dry slopes 3500 f

frequent

May 18

Cuyamaca Lake, dry stony slope 4700

semi-moist
upper banks

✓

9748 Lomatium
fls white

✓ 49 Zygadenus
common in heavy soil

✓ 50 Montia
erect, bright green (grows also in slow

✓ 51 Trifolium

✓ 52 Medicago
~~prostrate~~; perennial?

53 Githopsis
fls whitish, star-like; locally freq

54 Plagiobothrys
~~prostrate~~

55 Potentilla glandulosa Lindl
yellow; glandular-viscid

56 Carex —

57 Salix —
small shrubs

58 Mimulus Clevelandii Bdg
suffrutescent, 15-18 in high, very sticky & glandular

59 Trichostema lanatum var denudatum

May 18

Cuyamaca Lake, dry stony slope 4750

moist upper bank

water

dry slopes

ent about stones

semi moist upper bank

meadow

~~moist~~ moist bank

Road out of Laguna Mts
dry roadside in chaparral 4200
with 9758

9760 Lewisia brachycalyx Engelm
petals 2.5-3 cm long
white-lavender with lavender veining
styles 7± stamens
longer 7±
shorter 9±

61 Allium —
lavender
62 Baeria
common over great areas
63 Lupinus
common, fls dark blue, white spot on banner
64 Orthocarpus
fls whitish; lower lip slightly 3-saccate with
3 dark brown spots near top & 3 larger
reddish spots below. tall strict
65 Trifolium tridentatum Lindl

66. Lotus —
prostrate; fls bright yellow
67 Plagiobothrys —
erect
68. grass —

May 18

Cuyamaca Lake, abundant locally in moist ~~gravelly~~ open places on gentle slopes 4750

dry slopes

gentle grassy slopes

"

moist "

at base of rocks

crevices of granite

Grassy slope

9769 Amsinckia parviflora Hel

70 Festuca megalura Nutt

71 Poa —

72 Hordeum —

73 Hordeum —
bluish

74. Trifolium involucratum Ort
perennial

75 Chorizanthe polygonoides T.&G.
red closely pressed to ground

76 Lepidium —

77 Sidalcea malvaeflora Gray
large-flowered, rose-pink

78 Sidalcea parviflora Greene
small flowered, rose-pink

79 ~~D~~ Aira danthonioides Trin
frequent

80 Baeria —
scattered plants

May 18

Cuyamaca Lake, moist grassy slope 4750

wet grassy bank

dry open spots

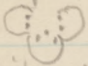
grassy roadside

common on grassy slopes

"

moist upper lake bank

"

9781 Orthocarpus
bracts lavender tipped
lower lip markedly 3-saccate, white
with  small dark spots
upper lip purplish

82 Ranunculus
common

83. Prunus demissa —

84 Agoseris heterophylla Greene

85 Downingia concolor Greene

86. Amsinckia
occasional

87 Potentilla gracilis Nutt
decumbent, common; petals 1 cm, yellow

88 Compos.

89. Lupinus
common on dry stony slopes

90 Thysanocarpus

May 18

Cuyamaca Lake, locally common on grassy slopes 4750

May 19.

Cuyamaca Lake, meadows 4700

" semi moist slope

disturbed soil in meadows

mud-flat near S end of lake

meadows drier parts

"

dry slopes grassy

common shade of oaks 5000

9791 Plectritis —
frequent
92. Oenothera —

93 Viticella
common
94. Lupinus
locally very common on
95 "

96 Viola nephrophylla Greene

97 Agoseris retrorsa (Benth.) Greene

98 Euonymus Parishii Trel

99 Carex —

9800 Arenaria macrophylla Hook

1 Ceanothus —
8-10 ft high

2 Castilleja —

May 19

Cuyamaca Mts with 9790

disturbed soil in pasture 5000 ft

under oaks 5000

dry slopes 5000

occasional banks of brook 4900

dry ridge 5300

shaded slopes 5300

gully 5200

dry slope

9883 Fragaria californica

4. Linum Lewisii

---

5 Collinsia —

6. Githopsis diffusa Gray?
white

7. Calochortus splendens Dougl

8 Oenothera —

9 Oenothera —

10 Nemacladus ramosissi Nutt

11 Nemacladus longiflorus Gray

12 Antirrhinum Coulterianum Benth
fls white

13 Lupinus —
fls white

14 Orobanche —

ins Adenostoma fascic ch

dry gravelly chaparral burn, 6 mi north of Santa Ysabel

roadside near burn

[illegible]h.[illegible]parral 1 mi E of Santa Ysabel

9815 Symphoricarpos
bending & rooting
16 Symphoricarpos

17 Viola lobata Benth

18 Dentaria — with 9817

---

19 Apiastrum angustifolium Nutt
common
20 Phacelia minor Harvey
common
21 Mimulus brevipes Benth
common —
22 Gilia
Flowers pale lavendar
23 Cryptantha

24 Silene multinervia Wats
occasional - very viscid
25 Thelypodium —

May 19

Middle Peak, Cuyamaca Mts 5500
shaded slopes
with 9815

Middle Peak
common in leaf mold on all upper
portions of Peak

May 20

Two miles west of Dripping
Springs, Riverside county
dry gravelly chaparral burn
alt. ca 1400

9826 Chaenactis glabriuscula DC
var. tenuifolia Hall
27 Eulobus californicus Nutt
28 Zygadenus Fremontii Wats
29 Chaenactis artemisiaefolia Gray
30 Malacothrix Clevelandii Gray
31 Lotus salsuginosus Greene
ascending
32 Rafinesquia californica Nutt
occasional
33 Oenothera micrantha Hornem
34 Emmenanthe penduliflora
35 Antirrhinum Coulterianum Benth
flowers prevailingly white
36 Gilia achillaefolia Benth
Very pale blue

May 20

Two miles west of Dripping Springs, Riverside County.

Benth.

9837 Phacelia hispida gray var.

38 Oenothera . —

39 Nemacladus r. var. pinnatif.

40 Nemacladus ramosissimus Nutt

41 Lupinus densiflorus Benth

42 Astragalus pachypus ? Greene flowers lemon yellow
Plants erect 1 to 2 ft.

43 Chorizanthe staticoides Benth

44 Antirrhinum Coult. var. Orcutt.
growing among shrubs - flowers mostly lavendar "

45 Philibertia heterophylla (Gray)

46 Cuscuta —
On Eriogonum polyfolium

47 Gilia —

May 20

Dry slope on divide east of Dripping Springs - alt. ca 1700

Aguanga Valley, Riverside Co.
Dry slopes

Jeps

9848 Senecio Douglasii DC
Shrub 3 feet high
49 Hemizonia Wrightii Gray
50 Cryptantha
51 ~~Eriogonum~~ s—
52 Nicotiana ~~attenuata~~ Torr
53 Stillingia linearifolia Wats
54 Encelia Actoni Elmer
55 Psoralea rigida Parish

56 Lupinus
quite woody - flowers lavender
57 Astragalus
flowers lemon yellow - plant decumbent
58 Lupinus
Flowers deep lavendar - banner light spotted

Aguanga - Dry sandy fields

Two miles east of Aguanga
Burn in a dry sandy flat

Locally abundant on dry
ridge about 3 miles S.E. of Oak
Grove, San Diego Co.
Sandy wash ca. 5 miles S.E. of Oak
Grove

7 miles northwest of Warner's
Hot Springs on dry sandy banks San Luiskey R.

9859 Cryptantha

9860 Heliotropium

61 Collinsia

62 Trifolium involucratum Ort

63 Eleocharis

64 Dudleya
Plant quite glaucous - stem leaves
cordate clasping
Stems and flowers brick red

65 Malvastrum fascic
var laxi-florum m.g

dry sandy slopes

moist sandy bank

Vallecito Canyon - dry slopes
wash near Corona

George Dillon - Springville
Clarence Britton - Exeter

9342
8913
429